

Patent Abstracts of Japan

PUBLICATION NUMBER : 04044926
PUBLICATION DATE : 14-02-92

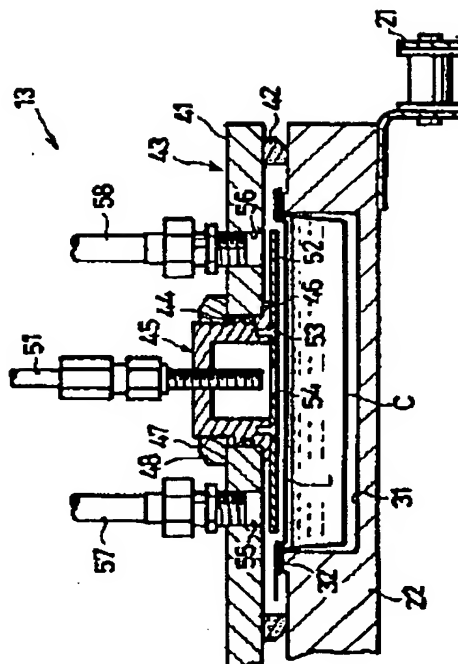
APPLICATION DATE : 08-06-90
APPLICATION NUMBER : 02150258

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INT.CL. : B65B 31/02

TITLE : METHOD FOR REPLACING AIR IN
CONTAINER WITH INERT GAS AND
DEVICE THEREFOR



ABSTRACT : PURPOSE: To make it possible to replace air in a container with gas sufficiently in a short period of time by a method wherein a lid on a container filled with a content is lifted, and air in the container is drawn from a gap between the lid and the container, and an inert gas is blown and filled in the container, and the lid is placed on the container again.

CONSTITUTION: A major drawing port 54 and an auxiliary drawing port 55 start drawing and stop at the same time. When drawing of both drawing ports 54, 55 is started, a lid L is drawn by the major drawing port 54 and lifted, and kept under a condition in which the lid L is held by a suction holding plate 52. The drawing is continued, and the inside of a chamber 43 is deaerated and gives a negative pressure. The drawing is stopped. From a blowing port 56, an inert gas is blown in. The inert gas is blown in, and the substituting chamber 43 is filled with the inert gas. The inert gas is also filled in the container C. The negative pressure in the chamber 43 is gradually reduced, and the attracting force of the major drawing port 54 is weakened. The lid L drops by its own weight, and is placed on the container C again.

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